

CONTENTS OF VOLUME 28

Number 1

- Buckling and failure characteristics of compression-loaded stiffened composite panels with a hole
 S. NAGENDRA, Z. GÜRDAL, R. T. HAFTKA & J. H. STARNES JR (USA)
- Designing for damage-tolerant composite repairsW. K. CHIU, D. REES, P. CHALKLEY & R. JONES (Australia)
- 39 Bonded repair of a plate with inclined central crack under biaxial loading C.-H. CHUE, L.-C. CHANG & J.-S. TSAI (Taiwan)
- 47 Finite element simulation of impact tests of laminated composite plates H. V. LAKSHMINARAYANA, R. BOUKHILI & R. GAUVIN (Canada)
- 61 Impact response of laminated composite plates: Prediction and verification H. V. LAKSHMINARAYANA, R. BOUKHILI & R. GAUVIN (Canada)
- 73 Static and dynamic Fourier analysis of finite cross-ply doubly curved panels using classical shallow shell theories
 R. A. CHAUDHURI & H. R. H. KABIR (USA)
- 93 Displacement and stress response of laminated beams and stiffened plates using a high-order element A. MUKHERJEE & L. C. MENGHANI (India)
- 113 Probability methods for the fracture of composite materials R. C. WETHERHOLD & A. M. UCCI (USA)
- 121 Letter to the Editor

Number 2

- 123 Curvilinear formulation of the 3-D J integral: Application to delamination cracking of curved laminates
 G. FERNLUND, D. MCCAMMOND & J. K. SPELT (Canada)
- The influence of trigger configurations and laminate lay-up on the failure mode of composite crush cylinders
 H. G. S. J. THUIS & V. H. METZ (Netherlands)
- 139 Effect of void content on the strength of composite laminates S. F. MÜLLER DE ALMEIDA & Z. S. NOGUEIRA NETO (Brazil)
- 149 Optimal design of a composite I-beam S. K. MORTON & J. P. H. WEBBER (UK)
- 169 Free vibration of thin-walled composite bladesO. RAND (Israel)
- 181 An analytical study on 0/90 ply-drops in composite laminates P. D. MANGALGIRI & K. VIJAYARAJU (India)
- 189 Theory and buckling results for infinitely wide, stiffened skew plate assemblies C. B. YORK & F. W. WILLIAMS (UK)

- 201 Thermal buckling of cross-ply composite laminates using a first-order shear deformation theory H. ABRAMOVICH (Israel)
- 215 Simplified methods for the buckling analysis of composite multi-spar wing boxes G. ASTON & F. W. WILLIAMS (UK)
- 225 Book Reviews
- 227 Announcements

Number 3

- 229 Prediction of buckling and failure of unidirectional carbon fibre/epoxy struts M. R. WISNOM & J. HÄBERLE (UK)
- 241 Analysis of laminated beams with a layer-wise constant shear theory J. F. DAVALOS, Y. KIM & E. J. BARBERO (USA)
- 255 Observations of a pressurised hydraulic hose under lateral liquid impacts C. D. STEWART & D. G. GORMAN (UK)
- 263 Stresses and strains in hemispherical GRP pressure vessels with radial cylindrical branch connections
 P. D. SODEN, J. LEACH, W. M. TANG, P. M. SODEN & R. KITCHING (UK)
- 283 Bidirectional bending of laminated composite plates using an improved zig-zag model K. H. LEE, W. Z. LIN & S. T. CHOW (Singapore)
- 295 Propagation of leaky plate waves in fluid-loaded composite laminates J. LEE (Korea)
- Design and manufacture of the composite flexspline of a harmonic drive with adhesive joining
 H. S. OH, K. S. JEONG & D. G. LEE (Korea)
- 315 Analysis of a sublaminate in compressively loaded laminate under a transverse loading at its center

 J. Y. HUANG (Taiwan)
- 323 A post-failure model for composite laminates based on phenomenologic aspects of damage
 A. MAZZERANGHI & D. VANGI (Italy)
- 333 Three-dimensional thermo-structural analysis of multidirectional fibrous composite plates N. MUKHERJEE & P. K. SINHA (India)

Number 4

- Residual strength of composites with multiple impact damage R. JONES (Australia)
- 357 Free edge delamination in carbon–epoxy laminates: a novel numerical/experimental approach
 J. C. J. SCHELLEKENS & R. DE BORST (The Netherlands)
- 375 A higher-order finite element for analysis of composite laminated structures H. YU (USA)
- 385 Enhanced direct stiffness method for finite element analysis of textile composites J. WHITCOMB & K. WOO (USA)
- 391 A hybrid force/stiffness matrix method for the analysis of thin-walled composite frames L. C. BANK & E. COFIE (USA)
- 405 A finite element for the nonlinear analysis of laminated circular plates R. E. MILLER & G. H. THIEL (USA)
- 433 Three-dimensional stress analysis of two-ply cord-rubber composite laminates R. M. V. PIDAPARTI & V. P. KAKARLA (USA)

- 441 Long term static testing of an FRP prototype highway structure J. LEE, L. HOLLAWAY, A. THORNE & P. HEAD (UK)
- 449 A numerical study of adhesively bonded composite panel-flange joints L. TONG, A. SHEPPARD & D. KELLY (Australia)
- 459 Dynamic buckling of metal matrix composite plates and shells under cylindrical bending R. GILAT & J. ABOUDI (Israel)
- 471 Tensile fracture behavior of notched fiber reinforced titanium metal matrix composite S. MALL & J. RATTRAY (USA)
- 481 Foam core sandwich panels with interface disbonds L. FALK (Sweden)